



**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT**  
Pluto Brazier

**SPECIES**  
Canine

Pet presented in early November with 2 week history of heavy sneezing and L sided epistaxis. Owner states occasionally a small amount of blood noted from the R nostril as well, but mostly the L. Bloodwork revealed a mild mature neutrophilia, but was otherwise unremarkable. Pet was treated with 2 weeks of Doxycycline and a CT was recommended. At the 2 week recheck to owner noted that the epistaxis had resolved, but the dog still sounded congested. Owner then scheduled CT. Biopsies were taken of the L nasal passage via the nare after the CT

**COMPUTED TOMOGRAPHY OF THE SKULL**

**BREED**  
Pitbull Mix

A high resolution pre- and post-contrast CT study of the skull and is provided for review.

**COMPUTED TOMOGRAPHIC FINDINGS**

The pictured parts of the dentition are complete and unremarkable in all jaw quadrants.

**SEX**  
MN

The left nasal cavity is occupied by soft tissue attenuating and heterogeneous moderate contrast enhancing material. Destruction of the associated turbinate and conchal structures is appreciated. The left maxillary, left nasal bone and perpendicular plate of the left palatine bone present multifocal permeative osteolytic lesions. Extensive lysis of the left aspect of the cribriform plate is appreciated and the left nasal mass is bulging into the left rostral cranial fossa. A midline shift of the rostral third of the falx cerebri to the right is appreciated.

**AGE**  
11 Years

Both temporomandibular joints present congruent joint spaces with even subchondral bone surfaces and are considered within normal limits.

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The external ear canals are within normal limits.

The submandibular and medial retropharyngeal lymph nodes are small and elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform.

**HOSPITAL NAME**

Wilson Veterinary  
Hospital

In the subcutaneous tissue at the right dorsolateral aspect of the neck, level with C4, a well-defined lipoma is seen.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- REFERRING VET**  
Dr. Rebecca Griffin
- Biologically aggressive left nasal soft tissue neoplasia with polyostotic aggressive osteolytic lesions of the associated osseous structures and perforation of the cranial fossa
  - Subcutaneous lipoma right dorsolateral aspect of the neck

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**INVOICE**  
55576

The CT study is consistent with left sided primary nasal neoplasia and secondary aggressive osteolytic lesions and perforation of the cranial fossa with mild mass effect on the brain. Differentials include adenocarcinoma, squamous cell carcinoma, transitional cell carcinoma, lymphosarcoma, other. Rhinoscopy including biopsy can be used as advanced diagnostic tests. Based on the results of the advanced diagnostic tests, the chances of radiation therapy can be discussed with oncologist. The Adam tumor stage is T4.

**DATE**  
12-13-22

Consider full tumor staging.



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**REFERRING VET**

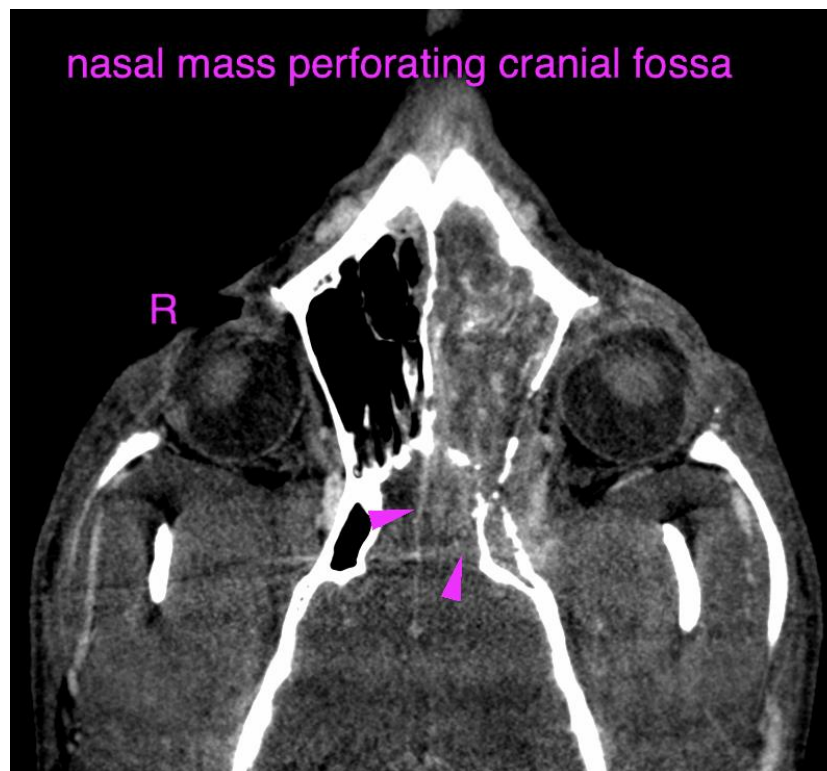
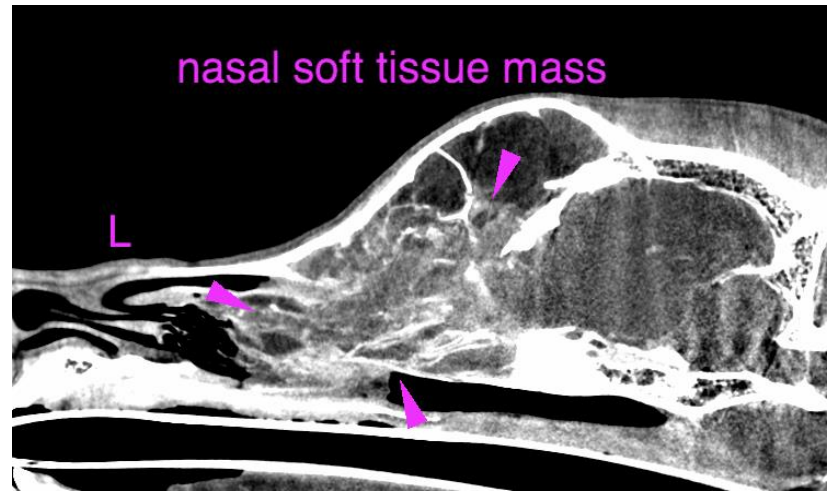
Dr. Rebecca Griffin

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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

**SPECIES**

Canine

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**SEX**

MN

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